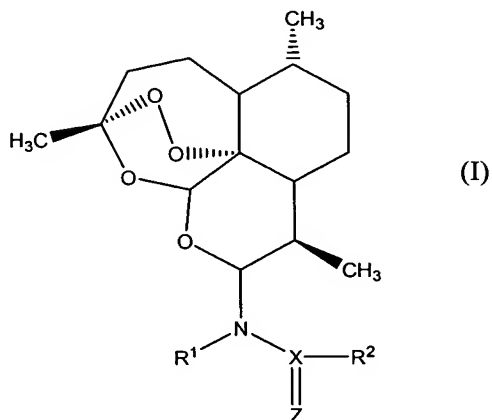


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A compound of the ~~general~~ formula I:



or a salt thereof, or a solvate thereof, or a solvate of a salt thereof,

in which

R¹ represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group;

X represents a carbon atom, a sulfur atom, a sulfoxide group S=O or a group PR³, P-O-R³ or P-N(R⁴)-R³ where R³ and R⁴ each independently represent a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group;

Z represents an oxygen atom, a sulfur atom or a group NR^5 where R^5 represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group; and

R^2 represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group, or a group $\text{N}(\text{R}^6)_2$, NHNH_2 , NR^6NHR^6 or $\text{NR}^6\text{N}(\text{R}^6)_2$, or a group OR^6 or SR^6 where each R^6 independently represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group, or a 10 α -dihydroartemisyl group, or R^2 represents a group OR^7 or NR^6R^7 where R^6 represents a group as defined above and R^7 represents a bond attached as a substituent to R^5 together with the ~~interjacent~~ group $-\text{X}=\text{Z}-$ forming an optionally substituted heterocyclic group where Z represents a group NR^5 , or R^7 represents a bond attached as a substituent to R^1 together with the ~~interjacent~~ group $-\text{N}-\text{X}(=\text{Z})-$ forming an optionally substituted heterocyclic group.

2. (Currently Amended) A compound according to claim 1 in which R^1 represents a hydrogen atom, a methyl group, ethyl group or longer straight-chain alkyl group or a branched alkyl group containing up to 9 carbon atoms, ~~preferably a hydrogen atom, a methyl group or an ethyl group.~~

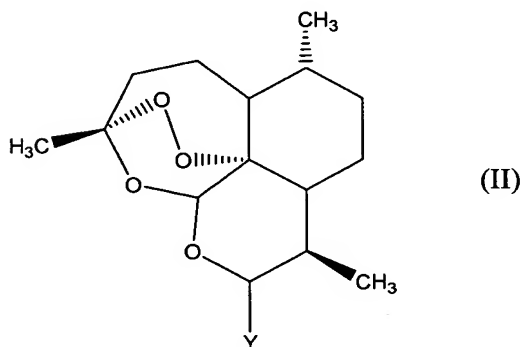
3. (Currently Amended) A compound according to claim 1 ~~or 2~~ in which X represents a carbon atom, a sulfur atom, or a group PR^3 , $\text{P}-\text{O}-\text{R}^3$ or $\text{P}-\text{N}(\text{R}^4)-\text{R}^3$ where R^3 and R^4 each independently represent a C_{6-18} aryl group or a 5- to 10-membered C-linked heteroaryl group or a 5- to 10-membered heterocyclyl- C_{1-6} alkyl group optionally

substituted by one or more substituents selected from the group consisting of halogen atoms, hydroxyl, C₁₋₄ alkyl, C₂₋₄ alkenyl, C₁₋₄ haloalkyl, C₁₋₄ alkoxy, C₁₋₄ haloalkoxy, amino, C₁₋₄ alkylamino, di(C₁₋₄ alkyl)amino and carboxyl groups.

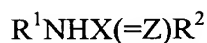
4. (Currently Amended) A compound according to ~~any claims~~ **claim 1 to 3** in which Z represents an oxygen atom, or a group NR⁵ where R⁵ represents a hydrogen atom, a methyl group, ethyl group or longer **straight**-chain alkyl group or branched alkyl group containing up to 9 carbon atoms or a C₆₋₁₈ aryl group or a 5- to 10-membered C-linked heteroaryl group or a 5- to 10-membered heterocyclyl-C₁₋₆ alkyl group optionally substituted by one or more substituents selected from the group consisting of halogen atoms, hydroxyl, C₁₋₄ alkyl, C₂₋₄, alkenyl, C₁₋₄ haloalkyl, C₁₋₄ alkoxy, C₁₋₄ haloalkoxy, amino, C₁₋₄ alkylamino, di(C₁₋₄ alkyl)amino and carboxyl groups.
5. (Currently Amended) A compound according to ~~any of the preceding claims~~ **claim 1** in which R² represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group, or a group OR⁶, SR⁶, NH₂, NHR⁶, or N(R⁶)₂ where each R⁶ independently represents a methyl group, ethyl group or longer **straight**-chain alkyl group or branched alkyl group containing up to 9 carbon ~~atoms~~ atoms, or is a C₆₋₁₈ aryl group or a 5- to 10-membered C-linked heteroaryl group or a 5- to 10-membered heterocyclyl-C₁₋₆ alkyl group optionally substituted by one or more substituents selected from the group consisting of halogen atoms, hydroxyl, C₁₋₄ alkyl, C₂₋₄ alkenyl, C₁₋₄ haloalkyl, C₁₋₄ alkoxy, C₁₋₄ haloalkoxy, amino, C₁₋₄ alkylamino, di(C₁₋₄ alkyl)amino and carboxyl groups.

6. (Currently Amended) A compound according to ~~any of the preceding claims~~ **claim 1** in which R^1 represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group, ~~preferably a hydrogen atom or an alkyl group, more preferably a hydrogen atom or a methyl group or an ethyl group;~~ X represents a carbon, phosphorus or sulfur atom, ~~preferably a carbon or sulfur atom;~~ Z represents an oxygen atom or a group NR^5 in where R^5 represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group, ~~preferably an oxygen atom;~~ and R^2 represents a group OR^6 , SR^6 , NH_2 , NHR^6 , or NH^2 , or $N(R^6)_2$ where each R^6 independently represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group, or a 10α -dihydroartemisinyl group, ~~preferably a hydrogen atom or an optionally substituted alkyl or aryl group, more preferably R^2 represents a group NH_2 , or a group NHR^6 where R^6 represents an alkyl group, or a group $N(R^6)_2$ where R^6 represents identical or differentiated alkyl groups.~~
7. A compound according to ~~any of the preceding claims~~ **claim 1** in which R^1 represents a hydrogen atom, X represents a sulfoxide group $S=O$, Z represents an oxygen atom, and R^2 represents a group NH_2 , or in which R^1 represents a hydrogen atom, X represents a carbon atom, Z represents a group NH , and R^2 represents a group NHR^6 where R^6 represents a hydrogen atom or an optionally substituted alkyl, cycloalkyl, aryl or aralkyl group; or in which R^1 represents a hydrogen atom, X represents a carbon atom, Z represents an oxygen atom, and R^2 represents a group NHR^6 where R^6 is a hydrogen atom or an optionally substituted alkyl, cycloalkyl, aryl or aralkyl group.

8. A process for the preparation of a compound of the general formula I according to ~~any of the preceding claims~~ **claim 1** which comprises reacting a compound of the ~~general~~ formula II **comprising an artemisinin nucleus:**



in which Y represents a group ~~containing~~ **comprising** an oxygen atom attached to the carbon atom of the artemisinin nucleus and also to a hydrogen atom or trimethylsilyl group, with a suitable halogenating agent to form a compound of the ~~general~~ formula II in which Y represents a halogen atom; and, if desired, reacting the compound of ~~general~~ formula II ~~thus formed~~ **in which Y represents a halogen atom** with an amine of the ~~general~~ formula:



where R^1 , R^2 , X and Z are as defined ~~any of the preceding claims~~ **in claim 1** to form a compound of ~~general~~ **the** formula I.

9. (Canceled.)

10. A pharmaceutical composition which comprises a carrier and, ~~as active ingredient, a~~
therapeutically effective amount of a compound according to ~~any of claims~~ **claim** 1 to
7.
11. (Canceled.)
12. (Canceled.)
13. A method for treating a disease caused by infection with a parasite which comprises
administering to a host in need of such treatment a therapeutically effective amount of a
compound according to ~~any of claims~~ **claim** 1 to 7.
14. (New) A compound according to claim 2 in which R^1 represents a hydrogen
atom, a methyl group or an ethyl group.
15. (New) A compound according to claim 6 in which R^1 represents a hydrogen atom
or an alkyl group; X represents a carbon or sulfur atom; Z represents an oxygen atom; R^6
represents a hydrogen atom or an optionally substituted alkyl or aryl group; or R^2
represents a group NH_2 , or a group NHR^6 where R^6 represents an alkyl group, or a group
 $N(R^6)_2$ where R^6 represents identical or different alkyl groups.
16. (New) A compound according to claim 15 in which R^1 represents a hydrogen
atom or a methyl group or an ethyl group; or R^2 represents a group NH_2 , or a group NHR^6
where R^6 represents an alkyl group, or a group $N(R^6)_2$ where R^6 represents identical or
different alkyl groups.